JC10 Rec'd PCT/PTO 1 8 JAN 2002

| FORA (KEV | | | E PATENT AND TRADEMARK (| | | | | | | | | | |
|------------------------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|
| | 1. | RANSMITTAL LETTER TO THE | | | | | | | | | | | |
| ļ | | DESIGNATED/ELECTED OFFIC | CE (DO/EO/US) | U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5 | | | | | | | | | |
| | _ | CONCERNING A FILING UNDE | R 35 U.S.C. 371 | 10/031399 | | | | | | | | | |
| | _ P | CT/JP01/04207 | TIONAL FILING DATE May 21, 2001 | PRIORITY DATE CLAIMED May 22, 2000 | | | | | | | | | |
| | | INVENTION | | | | | | | | | | | |
| DIS | C PL | LAYER | | • | | | | | | | | | |
| A DD | | Troy pop po more | | | | | | | | | | | |
| | | T(S) FOR DO/EO/US a SATOH | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| App | licant | herewith submits to the United States Designation | ted/Elected Office (DO/ | EO/US) the following items and other information: | | | | | | | | | |
| 1. | X | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | |
| 3. | × | | | (35 U.S.C. 371(f)). The submission must include itens (5), | | | | | | | | | |
| | | (6), (9) and (24) indicated below. | | | | | | | | | | | |
| 4. | \boxtimes | , and the proof of | | | | | | | | | | | |
| 5. | × | A copy of the International Application as file | | | | | | | | | | | |
| -10 | | a. is attached hereto (required only if r | | e International Bureau). | | | | | | | | | |
| ₽ ¶ 1 6. | | b. 🗷 has been communicated by the Inter | | | | | | | | | | | |
| # | × | c. is not required, as the application w | | | | | | | | | | | |
| - U. ≛ | | An English language translation of the Internation a. is attached hereto. | ational Application as if | led (35 U.S.C. 3/1(c)(2)). | | | | | | | | | |
| u u | | b. □ has been previously submitted unde | r 35 II S C 154(4)(4) | | | | | | | | | | |
| ահ ապրահայան 17. | × | | , ,, , | F Article 10 (35 II'S C 371 (a)(2)) | | | | | | | | | |
| # | , | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. are attached hereto (required only if not communicated by the International Bureau). | | | | | | | | | | | |
| 7"" | ٠ | b. \(\square \) have been communicated by the Inte | | is mornational bureau). | | | | | | | | | |
| - - | | c. \square have not been made; however, the time limit for making such amendments has NOT expired. | | | | | | | | | | | |
| ÷ | | d. 🗷 have not been made and will not be | | • | | | | | | | | | |
| 8. | | An English language translation of the amend | lments to the claims und | er PCT Article 19 (35 U.S.C. 371(c)(3)). | | | | | | | | | |
| 9. | \boxtimes | An oath or declaration of the inventor(s) (35 b | U.S.C. 371 (c)(4)). | | | | | | | | | | |
| * 10. | * <u>*</u> | An English language translation of the annexed Article 36 (35 U.S.C. 371 (c)(5)). | es to the International Pr | reliminary Examination Report under PCT | | | | | | | | | |
| 11. | i 🗆 | 1, | | | | | | | | | | | |
| 12. | X | A copy of the International Search Report (PCT/ISA/210). (with partial English translation) | | | | | | | | | | | |
| | | 13 to 20 below concern document(s) or inform | | | | | | | | | | | |
| 13. | X | An Information Disclosure Statement under 37 CFR 1.97 and 1.98. | | | | | | | | | | | |
| 14. | × | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | | | | | | | | | |
| 15. 16. | ⊠ | A FIRST preliminary amendment. | | | | | | | | | | | |
| 10. 17. | | A SECOND or SUBSEQUENT preliminary amendment. A substitute specification. | | | | | | | | | | | |
| 18. | | A change of power of attorney and/or address letter. | | | | | | | | | | | |
| 19. | | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. | | | | | | | | | | | |
| 20. | | A second copy of the published international application under 35 U.S.C. 154(d)(4). | | | | | | | | | | | |
| 21. | | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). | | | | | | | | | | | |
| 22. | | Certificate of Mailing by Express Mail | | | | | | | | | | | |
| 23. | X | Other items or information: | | | | | | | | | | | |
| | | PCT Form 101 (with English Translation) PCT Form 301 PCT Form 304 | PCT Form 105 PCT Form 220 PCT Form 308 | Nine (9) sheets of Formal Drawings (Figs. 1A-9D) WO 01/91118 A1 PCT Form PCT/ISA/220 | | | | | | | | | |

| U.S. APPLICATION | M OKNO | 131 | 9 | INTERNATIONAL APPLICATION NO. | | | | | ATTORNEY'S DOCKET NUMBER CL-9622 | | | |
|---|---------------------------------------|-----------------------------|-----------------------|--|-------------------------|------------|------------|----------------------|----------------------------------|----------------|--|--|
| 24. The fol | llowing fees a | re submitte | d:. | | | - | | CA | LCULATION | S PTO USE ONLY | | |
| internationa | ernational prel al search fee (| iminary exa 37 CFR 1.44 | minatio 45(a)(2) | (5)): n fee (37 CFR 1.482)) paid to USPTO by the EPO or JPO. | | | \$1040.00 | | | | | |
| ☑ Internationa USPTO but | al preliminary International | examination Search Rep | n fee (37 ort prep | 7 CFR 1.482) not paid ared by the EPO or J | i to PO | | \$890.00 | | | | | |
| ☐ International but internat | al preliminary ional search f | | | | | | | | | | | |
| Internationalbut all clain | al preliminary ns did not sati | | | | | | | | | | | |
| ☐ Internationa and all clair | al preliminary ms satisfied p | | | | | | | | | | | |
|] | ENTE | R APPR | OPRI | ATE BASIC FI | EE AM | OUN | T = | | \$890.00 | ! | | |
| Surcharge of \$130.0 months from the ea | 00 for furnish rliest claimed | ing the oath priority da | or decla | ration later than FR 1.492 (e)). | □ 20 | 0 | □ 30 | | \$0.00 | | | |
| CLAIMS | NUN | MBER FILE | D | NUMBER EXT | ΓRA | I | RATE | | | | | |
| Total claims | | 20 - 2 | 0 = | 0 | | х | \$18.00 | | \$0.00 | | | |
| Independent claims | s | 1 - | 3 = | 0 | | x : | \$84.00 | | \$0.00 | | | |
| Multiple Dependen | nt Claims (che | | | | | | | ļ | \$0.00 | | | |
| 1 | | | | ABOVE CALO | | | | | \$890.00 | | | |
| ☐ Applicant clai reduced by 1/2 | | ty status. Se | e 37 CF | R 1.27). The fees ind | licated abo | ove are | | | \$0.00 | | | |
| | | | | | SUB | ГОТ | AL = | | \$890.00 | | | |
| Processing fee of \$3 months from the ear | 130.00 for fur rliest claimed | nishing the priority da | English te (37 C | translation later than FR 1.492 (f)). | □ 20 | 0 | □ 30 + | | \$0.00 | | | |
| | · · · · · · · · · · · · · · · · · · · | | | TOTAL NAT | IONAI | L FE | E = | | \$890.00 | | | |
| Fee for recording the accompanied by an | ne enclosed as appropriate c | signment (3 over sheet (| 7 CFR 37 CFR | 1.21(h)). The assignm 3.28, 3.31) (check if | nent must f applicab | be le). | × | | \$40.00 | | | |
| | | | | TOTAL FEES | ENCL | OSE | D = | 1 | \$930.00 | | | |
| | | | | | | | | | ount to be: refunded | \$ | | |
| } | | | | | | | | | charged | \$ | | |
| a. 🗷 Ach | heck in the an | nount of | \$930 | .00 to cover the | above fee | s is en | closed. | • | | | | |
| | - | | | | | | | | | | | |
| | Commissione | | | ed to charge any addi A duplicate co | | | | | d, or credit any | overpayment | | |
| d. 🗆 Fees | s are to be cha | rged to a cr | edit card | l. WARNING: Information on this form. Provide | nation on | this fo | rm may be | ecome | | | | |
| NOTE: Where an | appropriate | time limit | under 3 | 7 CFR 1.494 or 1.49 | 5 has not | been | met, a pe | | | | | |
| | | - | to resto | re the application to | pending | Status | () M | | 11111 | DY1. | | |
| SEND ALL CORRESPONDENCE TO: | | | | | | | | U^ | MW | | | |
| Sean M. McGinn, Esq. McGinn & Gibb, PLLC | | | | | | SIGNATURE | | | | | | |
| 8321 Old Courtho | 8321 Old Courthouse Road Spite 200 | | | | | | | Sean M. McGinn, Esq. | | | | |
| Vienna, VA 2218 | 32-3817 | | | | | NAME | | | | | | |
| | | | | | | 34,3 | | | | | | |
| | | | | | | REG | ISTRATI | JN NC | JMBER | | | |
| | | | | | | Jan | uary 18, | 2002 | | | | |
| | | | | | | DAT | Е | | | | | |